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DD / S E C R E T R Y

FILE 6-112-2 (ADP)

19 APR 1966

MEMORANDUM FOR: Director of Finance
Director of Logistics

SUBJECT : Planning - Materiel Resources Subsystem Data
Transmission Line Requirements

1. Attached for your information is a copy of a Memorandum for the Record summarizing the substance of several conversations we have had with representatives of the Office of Communications in order to insure that they are properly acquainted with our effort and can be guided appropriately in the development of their own plans. These discussions grew out of briefings given by Mr. [] and myself for each of your Offices as well as the Office of Communications describing the general concept we have been thinking about for a Materiel Resources System.

2. Representatives of your Offices who are participating in the Materiel Resources System Study have led these discussions with the Office of Communications, which I would like to emphasize are very preliminary and purely for the purpose of estimating a possible order of magnitude to permit the Office of Communications to take our thinking into account in its own forecasting and program planning. There has been absolutely nothing finite in any of these discussions and no one has been committed to anything.



Special Assistant to the
Deputy Director for Support

Att

SA-DD/S:RHW:deg (19 Apr 66)

Distribution:

Orig - Adse w/c att (DD/S 66-1579)

1 - Other adse w/c att

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DD/S 66-1579 Memo for the Record dtd 22 Mar 66 fr SA-DD/S, subj: Planning
MIS - Materiel Resources Sub-System Data Transmission Line
Requirements

Approved For Release 2003/04/29 : CIA-RDP84-00780R001300060036-5

GROUP 1
Excluded from automatic
downgrading and
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DD/S 66-1579

Approved For Release 2003/04/29 : CIA-RDP84-00780R001300060036-5

DD/S REGISTER
FILE OY M 2-2 (20)
22 MAR 1966

MEMORANDUM FOR THE RECORD

SUBJECT: Planning MIS - Materiel Resources Sub-System Data Transmission
Line Requirements

1. As of this date it is planned that the Materiel Resources sub-system will have certain requirements for communication networks to satisfy system concepts as envisioned. The attached chart depicts the network which is believed to be practical for planning purposes at this time.

2. In the eventual system the four depots and three stations []
[] overseas Input/Output Processing Centers (I.O.P.C.) would have the capability to produce and transmit data in the form of punched paper tape or punch cards and obtain a simultaneous hard copy document. In addition, the Office of Logistics I.O.P.C. in the Washington area (Ames Building) would have the capability to produce, transmit, and receive data in the form of punched paper tape, punch cards, and/or a simultaneous hard copy document. There would also be an on-line query capability from the Office of Logistics I.O.P.C. as well as from other stations of the Office of Logistics in the Ames Building.

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3. In concept the system would function as follows:

a. Data would be entered for actions involving requisitioning, procurement, cataloguing, etc. at the Office of Logistics Input/Output Processing Center either from an on-line keyboard or by pre-prepared paper tape or punch cards for entry into the computer system.

b. The computer system would process the data, take the appropriate actions, and then would punch paper tape or punch cards at the I.O.P.C.

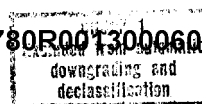
c. The Office of Logistics I.O.P.C. in a "torn tape" mode would transmit information to the various [] overseas stations.

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d. The computer would print out certain selected information either at the Office of Logistics I.O.P.C. or at the Office of Logistics query stations, or both.

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e. All data and queries from the U. S. depots and overseas stations would transmit to the Office of Logistics I.O.P.C. from their own I.O.P.C.'s via paper tape or punch cards and these would be transmitted to the computer in the "torn-tape" mode.

f. Either the Office of Logistics I.O.P.C. or the Office of Logistics query stations could query the system at anytime.

[redacted] the
or
communication lines in a dial-up service mode. However, the Office of Logistics query capability may be on an "open" line.

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4. It is believed that the system for Continental U. S. will be implemented during FY-69 and for the overseas stations in FY-70-72.

5. At this time the concept of utilizing the "torn-tape" mode as opposed to the total on-line concept is based upon the relative high cost of the on-line system and upon a belief that better control in the initial stages of development of the system can be maintained if the Office of Logistics has a central control point through which all transactions are processed.

6. Attached also is a chart which depicts the systems flow, in a conceptual sense, for the Continental U. S.

7. Other attachments are summary descriptions of some of the kinds of remote terminals under consideration for this system.

[redacted]

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Special Assistant to the
Deputy Director for Support

Atts

SA-DD/S:RHW:deg (25 Mar 66)

Distribution:

Orig - DD/S Subject

- 1 - Mr. [redacted] D/C
- 1 - Mr. [redacted] SSG/DDS
- 1 - Mr. [redacted]
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Approved For Release 2003/04/29 : CIA-RDP84-00780R001300060036-5

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